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PATENT ABSTRACTS OF JAPAN(21) Application number: **62204183**(51) Intl. Cl.: **C12N 15/00 C07H 21/04**(22) Application date: **19.08.87**

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(54) PREPARATION OF LIPOSOME CONTAINING SEALED GENE

(57) Abstract:

PURPOSE: To enable removal of microbial cells with a 0.45 μ m filter, by adding a polyhydric alcohol at a latter stage of a gene-inclusion process using a reverse- phase evaporation method, thereby efficiently including a DNA in a liposome having a diameter of \approx 450nm.

CONSTITUTION: In the production of a gene-including liposome by a reverse- phase evaporation method, a polyhydric alcohol such as glycerol or ethylene glycol is added at the latter stage of the gene-inclusion-process. The liposome suspension obtained by the above process is treated with a Nuclepore filter having an average pore size of 400nm to obtain liposomes composed mainly of those having diameter of 100W400nm. The gene to be included by this

process may be a DNA or a
recombinant DNA.

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